Forest Ecology and Management, 61 (1993) 368–369
Elsevier Science Publishers B.V., Amsterdam

Author Index

Ackzell, L.
A comparison of planting, sowing and natural regeneration for *Pinus sylvestris* (L.) in boreal Sweden 229
Amman, G.D., *see* Bentz, B.J. et al.
Angelstam, P., *see* DeGraaf, R.M. et al.
Aust, W.M., *see* Hauser, J.W. et al.
Barger, J.H., *see* Cannon, Jr., W.N. et al.
Bentz, B.J., Amman, G.D. and Logan, J.A.
A critical assessment of risk classification systems for the mountain pine beetle 349
Brunet, J.
Environmental and historical factors limiting the distribution of rare forest grasses in south Sweden 263
Burger, J.A., *see* Hauser, J.W. et al.
Cannon, Jr., W.N., Roberts, B.R. and Barger, J.H.
Growth and physiological response of water-stressed yellow-poplar seedlings exposed to chronic ozone fumigation and ethylenediurea 61
Claridge, A.W., Cunningham, R.B. and Tanton, M.T.
Foraging patterns of the long-nosed potoroo (*Potorous tridactylus*) for hypogeal fungi in mixed-species and regrowth eucalypt forest stands in southeastern Australia 75
Coward, L.P., *see* Prescott, C.E. et al.
Cowling, R.M., *see* Holmes, P.M. et al.
Cunningham, R.B., *see* Claridge, A.W. et al.
DeGraaf, R.M. and Angelstam, P.
Effects of timber size-class on predation of artificial nests in extensive forest 127
Friis, I., *see* Michelsen, A. et al.
Gessel, S.P., *see* Prescott, C.E. et al.
Giller, K.E., *see* Rao, A.V. et al.
Hauser, J.W., Aust, W.M., Burger, J.A. and Zedaker, S.M.
Drainage effects on plant diversity and productivity in loblolly pine (*Pinus taeda* L.) plantations on wet flats 109
Haynes, R.W., *see* Weigand, J.F. et al.
Heuveldop, J., *see* Kleine, M. et al.
Holmes, P.M. and Cowling, R.M.
Effects of shade on seedling growth, morphology and leaf photosynthesis in six subtropical thicket species from the eastern Cape, South Africa 199
Howard, A.F.
A linear programming model for predicting the sustainable yield of timber from a community forest on the Osa Peninsula of Costa Rica 29
Huettl, R.F. and Zoettl, H.W.
Liming as a mitigation tool in Germany's declining forests—reviewing results from former and recent trials 325
Kangas, J. and Kuusipalo, J.
Integrating biodiversity into forest management planning and decision-making 1

Forest Ecology and Management, 61 (1993) 368–369
Elsevier Science Publishers B.V., Amsterdam

Author Index

Ackzell, L.
A comparison of planting, sowing and natural regeneration for *Pinus sylvestris* (L.) in boreal Sweden 229
Amman, G.D., *see* Bentz, B.J. et al.
Angelstam, P., *see* DeGraaf, R.M. et al.
Aust, W.M., *see* Hauser, J.W. et al.
Barger, J.H., *see* Cannon, Jr., W.N. et al.
Bentz, B.J., Amman, G.D. and Logan, J.A.
A critical assessment of risk classification systems for the mountain pine beetle 349
Brunet, J.
Environmental and historical factors limiting the distribution of rare forest grasses in south Sweden 263
Burger, J.A., *see* Hauser, J.W. et al.
Cannon, Jr., W.N., Roberts, B.R. and Barger, J.H.
Growth and physiological response of water-stressed yellow-poplar seedlings exposed to chronic ozone fumigation and ethylenediurea 61
Claridge, A.W., Cunningham, R.B. and Tanton, M.T.
Foraging patterns of the long-nosed potoroo (*Potorous tridactylus*) for hypogeal fungi in mixed-species and regrowth eucalypt forest stands in southeastern Australia 75
Coward, L.P., *see* Prescott, C.E. et al.
Cowling, R.M., *see* Holmes, P.M. et al.
Cunningham, R.B., *see* Claridge, A.W. et al.
DeGraaf, R.M. and Angelstam, P.
Effects of timber size-class on predation of artificial nests in extensive forest 127
Friis, I., *see* Michelsen, A. et al.
Gessel, S.P., *see* Prescott, C.E. et al.
Giller, K.E., *see* Rao, A.V. et al.
Hauser, J.W., Aust, W.M., Burger, J.A. and Zedaker, S.M.
Drainage effects on plant diversity and productivity in loblolly pine (*Pinus taeda* L.) plantations on wet flats 109
Haynes, R.W., *see* Weigand, J.F. et al.
Heuveldop, J., *see* Kleine, M. et al.
Holmes, P.M. and Cowling, R.M.
Effects of shade on seedling growth, morphology and leaf photosynthesis in six subtropical thicket species from the eastern Cape, South Africa 199
Howard, A.F.
A linear programming model for predicting the sustainable yield of timber from a community forest on the Osa Peninsula of Costa Rica 29
Huettl, R.F. and Zoettl, H.W.
Liming as a mitigation tool in Germany's declining forests—reviewing results from former and recent trials 325
Kangas, J. and Kuusipalo, J.
Integrating biodiversity into forest management planning and decision-making 1

Kleine, M. and Heuveldop, J.
A management planning concept for sustained yield of tropical forests in Sabah, Malaysia 277
Kuusipalo, J., *see* Kangas, J. et al.
Laudelout, H.
Chemical and microbiological effects of soil liming in a broad-leaved forest ecosystem . 247
Lisanework, N., *see* Michelsen, A. et al.
Logan, J.A., *see* Bentz, B.J. et al.
Martens, S.N., Ustin, S.L. and Rousseau, R.A.
Estimation of tree canopy leaf area index by gap fraction analysis 91
Méthy, M. and Trabaud, L.
Seasonal courses of photosynthetic activity and sublethal temperature tolerance of *Quercus ilex* leaves 339
Michelsen, A., Lisanework, N. and Friis, I.
Impacts of tree plantations in the Ethiopian highland on soil fertility, shoot and root growth, nutrient utilisation and mycorrhizal colonisation 299
Miller, A. and Rusnock, P.
The rise and fall of the silvicultural hypothesis in spruce budworm (*Choristoneura fumiferana*) management in eastern Canada 171
Olson, D.L., *see* Silen, R.R. et al.
Prescott, C.E., Coward, L.P., Weetman, G.F. and Gessel, S.P.
Effects of repeated nitrogen fertilization on the ericaceous shrub, salal (*Gaultheria shallon*), in two coastal Douglas-fir forests 45
Quigley, T.M., *see* Weigand, J.F. et al.
Rao, A.V. and Giller, K.E.
Nitrogen fixation and its transfer from *Leucaena* to grass using ^{15}N 221
Riggs, R.A., *see* Weigand, J.F. et al.
Roberts, B.R., *see* Cannon, Jr., W.N. et al.
Rousseau, R.A., *see* Martens, S.N. et al.
Rusnock, P., *see* Miller, A. et al.
Shepperd, W.D. and Smith, F.W.
The role of near-surface lateral roots in the life cycle of aspen in the central Rocky Mountains 157
Silen, R.R., Olson, D.L. and Weber, J.C.
Genetic variation in susceptibility to windthrow in young Douglas-fir 17
Smith, F.W., *see* Shepperd, W.D. et al.
Tanton, M.T., *see* Claridge, A.W. et al.
Tiedemann, A.R., *see* Weigand, J.F. et al.
Trabaud, L., *see* Méthy, M. et al.
Ustin, S.L., *see* Martens, S.N. et al.
Weber, J.C., *see* Silen, R.R. et al.
Weetman, G.F., *see* Prescott, C.E. et al.
Weigand, J.F., Haynes, R.W., Tiedemann, A.R., Riggs, R.A. and Quigley, T.M.
Economic assessment of ungulate herbivory in commercial forests of eastern Oregon and Washington, USA 137
Zedaker, S.M., *see* Hauser, J.W. et al.
Zoettl, H.W., *see* Huettl, R.F. et al.

Forest Ecology and Management, 61 (1993) 370–374
Elsevier Science Publishers B.V., Amsterdam

Subject Index

Afforestation
A comparison of planting, sowing and natural regeneration for *Pinus sylvestris* (L.) in boreal Sweden 229
Artificial nests
Effects of timber size-class on predation of artificial nests in extensive forest 127
Aspen
The role of near-surface lateral roots in the life cycle of aspen in the central Rocky Mountains 157
Biological diversity
Integrating biodiversity into forest management planning and decision-making 1
Biomass
Impacts of tree plantations in the Ethiopian highland on soil fertility, shoot and root growth, nutrient utilisation and mycorrhizal colonisation 299
Breeding
Genetic variation in susceptibility to windthrow in young Douglas-fir 17
Canopy
Estimation of tree canopy leaf area index by gap fraction analysis 91
Cenchrus
Nitrogen fixation and its transfer from *Leucaena* to grass using ^{15}N 221
Commercial forests
Economic assessment of ungulate herbivory in commercial forests of eastern Oregon and Washington, USA 137
Community forest
A linear programming model for predicting the sustainable yield of timber from a community forest on the Osa Peninsula of Costa Rica 29
Decision analysis
Integrating biodiversity into forest management planning and decision-making 1
Drainage
Drainage effects on plant diversity and productivity in loblolly pine (*Pinus taeda* L.) plantations on wet flats 109
Ecological effects
Impacts of tree plantations in the Ethiopian highland on soil fertility, shoot and root growth, nutrient utilisation and mycorrhizal colonisation 299
Economic assessment
Economic assessment of ungulate herbivory in commercial forests of eastern Oregon and Washington, USA 137
Ericaceous
Effects of repeated nitrogen fertilization on the ericaceous shrub, salal (*Gaultheria shallon*), in two coastal Douglas-fir forests 45
Eucalypt forest
Foraging patterns of the long-nosed potoroo (*Potorous tridactylus*) for hypogeal fungi in mixed-species and regrowth eucalypt forest stands in southeastern Australia 75

Fertilization
Effects of repeated nitrogen fertilization on the ericaceous shrub, salal (*Gaultheria shallon*), in two coastal Douglas-fir forests 45
Fluorescence
Seasonal courses of photosynthetic activity and sublethal temperature tolerance of *Quercus ilex* leaves 339
Foraging patterns
Foraging patterns of the long-nosed potoroo (*Potorous tridactylus*) for hypogeal fungi in mixed-species and regrowth eucalypt forest stands in southeastern Australia 75
Forest decline
Liming as a mitigation tool in Germany's declining forests—reviewing results from former and recent trials 325
Forest history
Environmental and historical factors limiting the distribution of rare forest grasses in south Sweden 263
Forest management
A management planning concept for sustained yield of tropical forests in Sabah, Malaysia 277
Forest planning
A management planning concept for sustained yield of tropical forests in Sabah, Malaysia 277
Integrating biodiversity into forest management planning and decision-making 1
Gap fraction analysis
Estimation of tree canopy leaf area index by gap fraction analysis 91
Gap-phase recruitment
Effects of shade on seedling growth, morphology and leaf photosynthesis in six subtropical thicket species from the eastern Cape, South Africa 199
Grasses
Environmental and historical factors limiting the distribution of rare forest grasses in south Sweden 263
Growth
Growth and physiological response of water-stressed yellow-poplar seedlings exposed to chronic ozone fumigation and ethylenediurea 61
Hazard rating
A critical assessment of risk classification systems for the mountain pine beetle 349
Heat resistance
Seasonal courses of photosynthetic activity and sublethal temperature tolerance of *Quercus ilex* leaves 339
Lateral roots
The role of near-surface lateral roots in the life cycle of aspen in the central Rocky Mountains 157
Leaf area index
Estimation of tree canopy leaf area index by gap fraction analysis 91
Leucaena
Nitrogen fixation and its transfer from *Leucaena* to grass using ^{15}N 221
Life cycle
The role of near-surface lateral roots in the life cycle of aspen in the central Rocky Mountains 157
Liming
Chemical and microbiological effects of soil liming in a broad-leaved forest ecosystem . 247

Liming as a mitigation tool in Germany's declining forests—reviewing results from former and recent trials 325
Linear programming model
A linear programming model for predicting the sustainable yield of timber from a community forest on the Osa Peninsula of Costa Rica 29
Microbiology
Chemical and microbiological effects of soil liming in a broad-leaved forest ecosystem . 247
Mitigation
Liming as a mitigation tool in Germany's declining forests—reviewing results from former and recent trials 325
Mountain pine beetle
A critical assessment of risk classification systems for the mountain pine beetle 349
Multiple-use forestry
Integrating biodiversity into forest management planning and decision-making 1
Nitrogen
Effects of repeated nitrogen fertilization on the ericaceous shrub, salal (*Gaultheria shallon*), in two coastal Douglas-fir forests 45
Nitrogen fixation and its transfer from *Leucaena* to grass using ^{15}N 221
Ozone fumigation
Growth and physiological response of water-stressed yellow-poplar seedlings exposed to chronic ozone fumigation and ethylenediurea 61
Pest control
The rise and fall of the silvicultural hypothesis in spruce budworm (*Choristoneura fumiferana*) management in eastern Canada 171
Photosynthetic system
Seasonal courses of photosynthetic activity and sublethal temperature tolerance of *Quercus ilex* leaves 339
Physiological plasticity
Effects of shade on seedling growth, morphology and leaf photosynthesis in six subtropical thicket species from the eastern Cape, South Africa 199
Pinus
A comparison of planting, sowing and natural regeneration for *Pinus sylvestris* (L.) in boreal Sweden 229
Drainage effects on plant diversity and productivity in loblolly pine (*Pinus taeda* L.) plantations on wet flats 109
Plant diversity
Drainage effects on plant diversity and productivity in loblolly pine (*Pinus taeda* L.) plantations on wet flats 109
Plantation establishment
Impacts of tree plantations in the Ethiopian highland on soil fertility, shoot and root growth, nutrient utilisation and mycorrhizal colonisation 299
Potoroo
Foraging patterns of the long-nosed potoroo (*Potorous tridactylus*) for hypogeal fungi in mixed-species and regrowth eucalypt forest stands in southeastern Australia 75
Predation
Effects of timber size-class on predation of artificial nests in extensive forest 127
Quercus
Chemical and microbiological effects of soil liming in a broad-leaved forest ecosystem . 247
Seasonal courses of photosynthetic activity and sublethal temperature tolerance of *Quercus ilex* leaves 339

Rare forest grasses
Environmental and historical factors limiting the distribution of rare forest grasses in south Sweden 263
Regeneration
A comparison of planting, sowing and natural regeneration for *Pinus sylvestris* (L.) in boreal Sweden 229
Resistance
Genetic variation in susceptibility to windthrow in young Douglas-fir 17
Salal
Effects of repeated nitrogen fertilization on the ericaceous shrub, salal (*Gaultheria shallon*), in two coastal Douglas-fir forests 45
Scientific disputes
The rise and fall of the silvicultural hypothesis in spruce budworm (*Choristoneura fumiferana*) management in eastern Canada 171
Seedlings
Growth and physiological response of water-stressed yellow-poplar seedlings exposed to chronic ozone fumigation and ethylenediurea 61
Shade tolerance
Effects of shade on seedling growth, morphology and leaf photosynthesis in six subtropical thicket species from the eastern Cape, South Africa 199
Silviculture
The rise and fall of the silvicultural hypothesis in spruce budworm (*Choristoneura fumiferana*) management in eastern Canada 171
Soil
Impact of tree plantations in the Ethiopian highland on soil fertility, shoot and root growth, nutrient utilisation and mycorrhizal colonisation 299
Chemical and microbiological effects of soil liming in a broad-leaved forest ecosystem . 247
Spruce budworm
The rise and fall of the silvicultural hypothesis in spruce budworm (*Choristoneura fumiferana*) management in eastern Canada 171
Sustainable management
A management planning concept for sustained yield of tropical forests in Sabah, Malaysia 277
Sustainable yield
A linear programming model for predicting the sustainable yield of timber from a community forest on the Osa Peninsula of Costa Rica 29
Timber size-class
Effects of timber size-class on predation of artificial nests in extensive forest 127
Tropical forest
A management planning concept for sustained yield of tropical forests in Sabah, Malaysia 277
Ungulate herbivory
Economic assessment of ungulate herbivory in commercial forests of eastern Oregon and Washington, USA 137
Water stress
Growth and physiological response of water-stressed yellow-poplar seedlings exposed to chronic ozone fumigation and ethylenediurea 61
Wet flats
Drainage effects on plant diversity and productivity in loblolly pine (*Pinus taeda* L.) plantations on wet flats 109

Wind damage
Genetic variation in susceptibility to windthrow in young Douglas-fir 17
Windfall
Genetic variation in susceptibility to windthrow in young Douglas-fir 17
Yellow-poplar
Growth and physiological response of water-stressed yellow-poplar seedlings exposed to chronic ozone fumigation and ethylenediurea 61